WHAT IS CLAIMED IS:

 A sealed motor compressor comprising, in a sealed container, a compressing element and an electromotive element for driving the compressing element,

wherein said electromotive element is fixed to said sealed container and comprises a stator provided with a stator winding and a rotor which rotates in the stator, and

said rotor comprises a squirrel-cage secondary conductor disposed in a peripheral portion of a rotor yoke and a permanent magnet embedded in the rotor yoke.

- 2. The sealed motor compressor according to claim 1 wherein the electromotive element comprises a single-phase bipolar constitution.
- 3. The sealed motor compressor according to claim 2 wherein the electromotive element is started by a system in which a startup capacitor is used.
- 4. The sealed motor compressor according to claim 2 or 3 wherein the stator winding comprises a main winding and an auxiliary winding, and a winding ratio of the respective windings by effective winding number calculation is set to be in a range of 1.0 ± 0.5 .
 - 5. The sealed motor compressor according to any one

of claims 1 to 4 wherein the squirrel-cage secondary conductor of the rotor comprises a skewed structure.

- 6. The sealed motor compressor according to any one of claims 1 to 5 wherein the permanent magnet is a rare earth magnet.
- 7. The sealed motor compressor according to any one of claims 1 to 6 wherein the number of permanent magnets embedded in the rotor yoke is any number selected from the group consisting of two, four, six and eight.
- 8. The sealed motor compressor according to any one of claims 1 to 7, further comprising current-sensitive protection means for detecting a line current.
- 9. A sealed motor compressor comprising, in a sealed container, a compressing element and an electromotive element for driving the compressing element, said electromotive element being driven by a three-phase power source,

wherein said electromotive element is fixed to said sealed container and comprises a stator provided with a stator winding and a permanent magnet embedded type rotor which rotates in the stator, and

said rotor comprises a squirrel-cage secondary conductor disposed in a peripheral portion of a rotor yoke

and a permanent magnet embedded in said rotor yoke.

- 10. The sealed motor compressor according to claim 9 wherein the electromotive element comprises a three-phase bipolar constitution.
- 11. The sealed motor compressor according to claim 9 or 10 wherein the squirrel-cage secondary conductor of the rotor comprises a skewed structure, and a skew pitch is set to more than 0, and 1.5 slot pitches or less.
- 12. The sealed motor compressor according to claim 9, 10 or 11 wherein the permanent magnet is a rare earth magnet.
- 13. The sealed motor compressor according to any one of claims 9 to 12 wherein the number of permanent magnets embedded in the rotor yoke is any even number.
- 14. The sealed motor compressor according to any one of claims 9 to 13, further comprising current-sensitive protection means for detecting a line current.
- 15. The sealed motor compressor according to any one of claims 9 to 14 wherein capability control is possible.